# Natural Gas Monthly September 2005

Energy Information Administration Office of Oil and Gas U.S. Department of Energy Washington, DC 20585

#### Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
<u>Publications</u>		
Weekly Natural Gas Storage Report	HTML	Weekly estimates of natural gas in underground storage for the U.S. and three regions of the U.S.
Natural Gas Weekly Update	PDF	Analysis of current price, supply and storage data
Natural Gas Monthly	PDF, HTML, XLS	Monthly supply, disposition, and price data
Natural Gas Annual	PDF, XLS	Annual supply, disposition, and price data
U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves	PDF, HTML	Proved reserves in the United States
Oil and Gas Field Code Master List	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly Data	TXT	Tables 1-6, and 9 from the Natural Gas Monthly
Historical Monthly Data	EXE	Consumption and price data, 1984-present
Annual Data	XLS, TXT	Data from the Natural Gas Annual
Historical Annual Data	XLS, TXT	Data from the Historical Natural Gas Annual
Field Codes	EXE	Oil & Gas Field Code Master List
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

PDF files are image files that can be viewed through Adobe Acrobat.

XLS (Excel) files are in spreadsheet format and are viewable and downloadable to the user's PC.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

### **Preface**

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE).

General questions and comments regarding the NGM may be referred to Roy Kass (202) 586-4790. Specific technical questions may be referred to the appropriate persons listed at: http://www.eia.doe.gov/contacts/natgas.htm.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

## **Common Abbreviations Used in the Natural Gas Monthly**

AGA	American Gas Association	Mcf	Thousand cubic feet
Bcf	Billion cubic feet	MMBtu	Million British thermal units
DOE	U.S. Department of Energy	MMcf	Million cubic feet
EIA	Energy Information Administration, U.S. Department of Energy	MMS	Minerals Management Service, U.S. Department of the Interior
FERC	Federal Energy Regulatory Commission	OCS	Outer Continental Shelf
IOGCC	Interstate Oil and Gas Compact Commission	Tcf	Trillion cubic feet
LNG	Liquefied natural gas		

### **Contents**

Highlights	1
Appendices  A. Explanatory Notes  B. Data Sources  C. Statistical Considerations	83
Glossary	93
Tables	
1. Summary of Natural Gas Production in the United States, 2000-2005	3
2. Supply and Disposition of Dry Natural Gas in the United States, 2000-2005	4
3. Natural Gas Consumption in the United States, 2000-2005	6
4. Selected National Average Natural Gas Prices, 2000-2005	8
5. U.S. Natural Gas Imports and Exports, 2003-2005	10
6. Summary of U.S. Natural Gas Imports and Exports, 2000-2004	14
7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, 2000-2005	15
8. Gross Withdrawals and Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, May 2005	18
9. Underground Natural Gas Storage - All Operators, 2000-2005	19
10. Underground Natural Gas Storage - by Season, 2003-2005	21
11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 2000-2005	22
12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 2000-2005	23
13. Net Withdrawals from Underground Storage, by State, 2003-2005	24
14. Activities of Underground Natural Gas Storage Operators, by State, July 2005	28
15. Natural Gas Deliveries to Residential Consumers, by State, 2003-2005	29
16. Natural Gas Deliveries to Commercial Consumers, by State, 2003-2005	33

17.	Natural Gas Deliveries to Industrial Consumers, by State, 2003-2005	37
18.	Natural Gas Deliveries to Electric Power Consumers, by State, 2003-2005	41
19.	Natural Gas Deliveries to All Consumers, by State, 2003-2005	45
20.	Average City Gate Price, by State, 2003-2005	49
21.	Average Price of Natural Gas Sold to Residential Consumers, by State, 2003-2005	53
22.	Average Price of Natural Gas Sold to Commercial Consumers, by State, 2003-2005	57
23.	Average Price of Natural Gas Sold to Industrial Consumers, by State, 2003-2005	61
24.	Average Price of Natural Gas Sold to Electric Power Consumers, by State, 2003-2005	65
25.	Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2003-2005	69
A1	. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data	77
C1	. Standard Error for Natural Gas Deliveries and Price to Consumers by State, July 2005	92
Fi	gures	
1.	Production, Consumption and Net Imports of Natural Gas in the United States, 2002-2005	5
2.	Natural Gas Deliveries to Consumers in the United States, 2002-2005	7
3.	Average Consumer Price of Natural Gas in the United States, 2002-2005	9
4.	Average Price of Natural Gas in the United States, 2002-2005	9
5.	Working Gas in Underground Natural Gas Storage in the United States, 2002-2005	20
6.	Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, 2002-2005	<b>7</b> 5